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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/914,467	04/02/2002	Irene Jennrich	R.35957	5302	
2119	7590 09/02/2003				
RONALD E. GREIGG			EXAMINER		
	REIGG P.L.L.C. TAN STREET, UNIT C	ONE	NGUYEN,	TUYEN T	
ALEXANDRI	A, VA 22314		ART UNIT	PAPER NUMBER	
•	, * *		2832		
			DATE MAILED: 09/02/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

					WW		
•			Application No.	Applicant(s)			
Office Action Summary			09/914,467	JENNRICH ET AL.			
		Office Action Summary	Examiner	Art Unit			
			TUYEN T NGUYEN	2832			
Dorie		The MAILING DATE of this communication apport	pears on the cover sheet w	ith the correspondence add	Iress		
		ORTENED STATUTORY PERIOD FOR REPL'	VIC CET TO EVDIDE 2 M	MONTH(S) EDOM			
- - - -	HE I Exter after If the If NC Failu Any r earne	MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing ad patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a y within the statutory minimum of thin will apply and will expire SIX (6) MON, cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this continuous the mailing date of this continuous the mailing date of this continuous the mail t	nmunication.		
Statu		D		,			
)[Responsive to communication(s) filed on					
)	,	is action is non-final.				
3)	Since this application is in condition for allows closed in accordance with the practice under			e ments is		
Disp	ositi	on of Claims					
4)⊠	Claim(s) <u>8-17</u> is/are pending in the application	1.				
		4a) Of the above claim(s) is/are withdra	wn from consideration.				
5	Claim(s) is/are allowed.						
6)⊠	Claim(s) <u>8-17</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
	•	Claim(s) are subject to restriction and/o	r election requirement.				
		on Papers	_				
	,—	The specification is objected to by the Examine		the Eveniner	•		
10)	The drawing(s) filed on is/are: a) acce					
11	. П	Applicant may not request that any objection to th The proposed drawing correction filed on			r		
	/	If approved, corrected drawings are required in re		disapproved by the Examine			
12) <u> </u>	The oath or declaration is objected to by the Ex	•				
		inder 35 U.S.C. §§ 119 and 120					
	_	Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
		☑ All b) ☐ Some * c) ☐ None of:					
	,	Certified copies of the priority document	s have been received.				
		Certified copies of the priority document		Application No			
		3. Copies of the certified copies of the prio	rity documents have beer	• •	Stage		
	* 5	application from the International Bu See the attached detailed Office action for a list		received.			
14)		Acknowledgment is made of a claim for domest	ic priority under 35 U.S.C.	§ 119(e) (to a provisional	application).		
15)) \square The translation of the foreign language pro					
Attach	nmen	t(s)					
2) 🔲	Notic	e of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) _	5) Notice of	Summary (PTO-413) Paper No(s Informal Patent Application (PTC			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 8-11 and 13-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Linkner et al. [WO 97/33287] in view of Maruno et al. [JP 55-145308].

Linkner et al. discloses a magnet coil for use in a solenoid valve [figures 2-3] comprising:

- a pot core [50] including two encompassing chamfers [figure 3];
- a winding structure [47] includes a winding [31] formed of insulated solenoid magnet wire and rigidly bonded together with an adhesive;
 - coating layers [35, 36] that cause the winding structure to hold together;
 - at least one tubular plastic part [43, 44] mounted on the pot core; and
 - a foam washer [55] located on and covering the winding structure.

Linkner et al. discloses the instant claimed invention except for the specific structure of the winding wire.

Maruno et al. discloses a molded coil structure including insulated wires having conductors applied with heat resistant baked enamel.

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It would have been obvious to one having ordinary skill in the art at the time the invention was made to use the baked enamel conductor wires of Maruno et al. in the winding structure of Linkner et al. for the purpose of facilitating manufacture.

Regarding claim 14, the specific use of the magnet coil in the fuel pump environment would have been an obvious design consideration for the purpose of preventing moisture.

Claims 12 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Onoda et al. [JP 01-131332] in view of Maruno et al.

Onoda et al. discloses a magnet coil structure [figure 2] and method comprising:

- providing a ring shape core [5];
- providing a coil [14] formed of self-welding electric wires disposed in the ring shape
 core;
- inserting the coil into the ring shape core; and
- providing insulating potting material [16] in the ring shape core.

Onoda et al. discloses the instant claimed invention except for the coil formed of enamel baked wire and a coating layer.

Maruno et al. discloses a molded coil structure including insulated wires having conductors applied with heat resistant baked enamel and a coating structure [17].

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use the enamel baked wires/conductors and the coating structure of Maruno et al.'s coil structure for the coil of Onoda et al. for the purpose of providing a resin mold coil.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUYEN T NGUYEN whose telephone number is 703-308-0821. The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, ELVIN ENAD can be reached on 703-308-7619. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

TTN MN

Tayen T. Nguyen